

Name: _____

at1110paper_practice_test (v103)

1. Factor the expression.

$$x^2 + 4x - 12$$

2. Expand the following expression into standard form.

$$(9x + 5)(7x + 2)$$

3. Factor the expression.

$$25x^2 - 16$$

4. Solve the equation.

$$6x^2 + 6x - 7 = 3x^2 - 2x - 4$$

5. Solve the equation.

$$(5x + 8)(2x + 9) = 0$$

6. Expand the following expression into standard form.

$$(9x + 8)^2$$

7. Expand the following expression into standard form.

$$(9x - 7)(9x + 7)$$

8. Solve the equation with factoring by grouping.

$$15x^2 - 20x + 18x - 24 = 0$$